Name:

p1105: Factoring when $a = $ prime (v45)

1. Factor the expression $11x^2 + 39x - 20$

$$(11x - 5)(x + 4)$$

2. Factor the expression $5x^2 + 18x - 35$

$$(5x - 7)(x + 5)$$

3. Factor the expression $2x^2 - 5x - 25$

$$(2x + 5)(x - 5)$$

4. Factor the expression $5x^2 + x - 6$

$$(5x + 6)(x - 1)$$

5. Factor the expression $7x^2 - 57x - 54$

$$(7x + 6)(x - 9)$$

6. Factor the expression $2x^2 - 15x - 27$

$$(2x + 3)(x - 9)$$

7. Factor the expression $3x^2 - x - 10$

$$(3x + 5)(x - 2)$$

8. Factor the expression $2x^2 - 25x + 63$

$$(2x - 7)(x - 9)$$

9. Factor the expression $2x^2 + 7x - 15$

$$(2x - 3)(x + 5)$$

10. Factor the expression $7x^2 + 15x - 18$

$$(7x - 6)(x + 3)$$